kiln chamber; until an equilibrium is established between its inflow and its outflow. When this equilibrium is established, the lower surface of the layer of colored kerosene assumes a permanent level.

It can be seen in Fig. 2 that only the upper portion of the

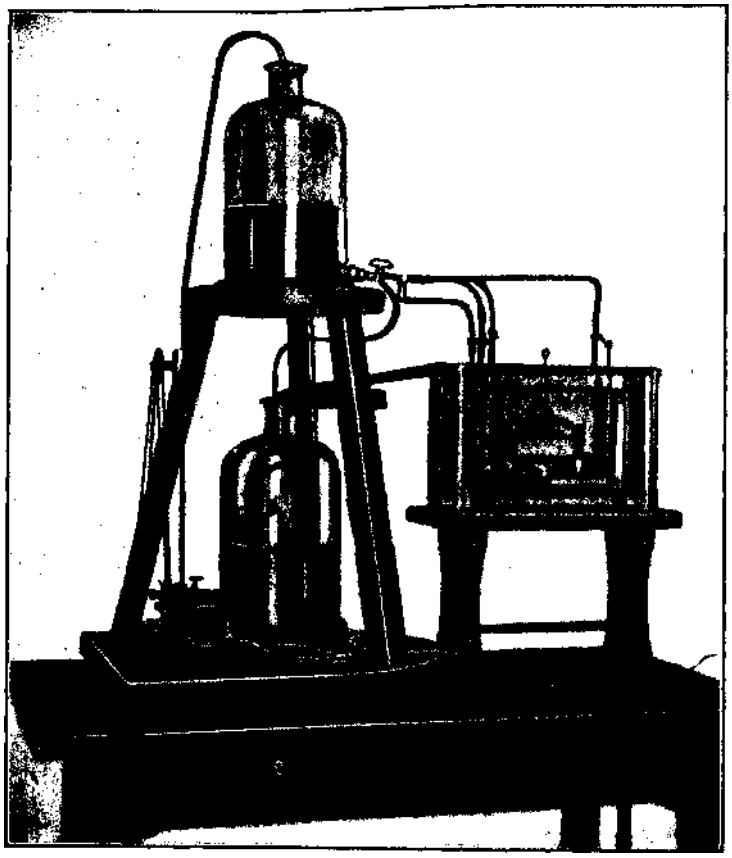

FIG. 2.

kiln, above its mid-height, is filled with hot gitBen, and that the* space between the lower surface of the layer of kerosene and the hearth of the kiln contains none at alL Thin space, therefore, will only be heated by such eddy currents as form, and the«e are due entirely to the differences in density which exist between the